

Test Report no. A 1217488B/107649-1

Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltøft	
Test material: Upholstery	
Design: Molly 143	Received: 2005-01-05 Completed: 2005-01-25
Fibre content: 100% wool (Manufacturers information)	Ref. no.: 1217488B Sample no.: 107649-1
Care label: (Not given)	Your ref.: Lone Henriksen

Gregersensvej
 P.O. Box 141
 DK-2630 Taastrup
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 Fax +45 72 20 20 19

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Test Methods	Results		
Mass per unit area ISO 3801:1977	Only one determination 435 g/m ²		
Abrasion resistance - Martindale EN ISO 12947-1:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 35.000 - 35.000 - 40.000 - 40.000 rubs End point according to "Classification of Upholstery Fabrics:2002" 35.000 rubs		
Determination of fabric propensity to surface fuzzing and to pilling EN ISO 12945-1:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	<u>Assessment stage</u> 1 2 3 4 Final grade The final grading at 2000 rubs relates to fuzzing and pilling	<u>Number of rubs</u> 500 1000 2000 5000	<u>Pilling grade</u> 4 3-4 3 2 3

The test has been performed according to the rear side conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract

25 January 2005, Danish Technological Institute, Textile


 Charlotte Fischer
 Test responsible


 Bodil Pedersen
 Co-reader

Appendix to Test Report No. 1217488B/107649-1

Page 1 of 1

Upholstery fabric: Molly 143

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (DTI/BT*)
The classification in fields of application is not covered by Accreditation No. 25

Private Homes				Public Areas and Offices							
Rooms with low intensity of use		Rooms with normal intensity of use		Hotel rooms, hospital wards, conference rooms with low intensity of use		Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms		Offices, staff rest rooms, conference and lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft		Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes	
Upholstery soft		Upholstery firm		Upholstery soft firm		Upholstery soft firm		Upholstery soft firm		Upholstery soft firm	
at least 10.000	at least 15.000	at least 15.000	at least 25.000	at least 10.000	at least 15.000	at least 15.000	at least 25.000	at least 25.000	at least 25.000	at least 30.000	at least 30.000
										at least 45.000	

Crossing out indicates: not suitable

DTI = Danish Technology Institute
*BT = Clothing and Textile

chf/bnp/ac, 25 January 2005

Test Report no. A 1217488B/107649-4

Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltøft	
Test material: Upholstery	
Design: Molly 149	Received: 2005-01-05 Completed: 2005-01-25
Fibre content: 100% wool (Manufacturers information)	Ref. no.: 1217488B Sample no.: 107649-4
Care label: (Not given)	Your ref.: Lone Henriksen

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Test Methods	Results																		
Mass per unit area ISO 3801:1977	Only one determination 385 g/m²																		
Abrasion resistance - Martindale EN ISO 12947-1:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 55.000 - 55.000 - 60.000 - 60.000 rubs End point according to “Classification of Upholstery Fabrics:2002” 55.000 rubs																		
Determination of fabric propensity to surface fuzzing and to pilling EN ISO 12945-1:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	<table><tr><th>Assessment stage</th><th>Number of rubs</th><th>Pilling grade</th></tr><tr><td>1</td><td>500</td><td>4-5</td></tr><tr><td>2</td><td>1000</td><td>3-4</td></tr><tr><td>3</td><td>2000</td><td>3-4</td></tr><tr><td>4</td><td>5000</td><td>3-4</td></tr><tr><td>Final grade</td><td></td><td>3-4</td></tr></table> The final grading at 2000 rubs relates to fuzzing	Assessment stage	Number of rubs	Pilling grade	1	500	4-5	2	1000	3-4	3	2000	3-4	4	5000	3-4	Final grade		3-4
Assessment stage	Number of rubs	Pilling grade																	
1	500	4-5																	
2	1000	3-4																	
3	2000	3-4																	
4	5000	3-4																	
Final grade		3-4																	

The test has been performed according to the rear side conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract

25 January 2005, Danish Technological Institute, Textile

Charlotte Fischer
Charlotte Fischer
Test responsible

Bodil Pedersen
Bodil Pedersen
Co-reader

Upholstery fabric: Molly 149

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (DTI/BT*)
The classification in fields of application is not covered by Accreditation No. 25

Private Homes		Public Areas and Offices					
Rooms with low intensity of use	Rooms with normal intensity of use	Hotel rooms, hospital wards, conference rooms with low intensity of use	Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms	Offices, staff rest rooms, conference rooms and lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft	Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes		
		Upholstery		Upholstery		Upholstery	
		soft	firm	soft	firm	soft	firm
at least	at least	at least	at least	at least	at least	at least	at least
10.000	15.000	15.000	25.000	10.000	15.000	15.000	25.000

Crossing out indicates: not suitable

DTI = Danish Technology Institute

*BT = Clothing and Textile

chf/bnp/ac, 25 January 2005

Test Report no. A 1217488B/107649-3

Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltøft	
Test material: Upholstery	
Design: Molly 160	Received: 2005-01-05 Completed: 2005-01-25
Fibre content: 100% uld (Manufacturers information)	Ref. no.: 1217488B Sample no.: 107649-3
Care label: (Not given)	Your ref.: Lone Henriksen

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Test Methods	Results		
Mass per unit area ISO 3801:1977	Only one determination 400 g/m ²		
Abrasion resistance - Martindale EN ISO 12947-1:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 55.000 - 60.000 - 55.000 - 55.000 rubs End point according to "Classification of Upholstery Fabrics:2002" 55.000 rubs		
Determination of fabric propensity to surface fuzzing and to pilling EN ISO 12945-1:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	<u>Assessment stage</u> 1 2 3 4 Final grade	<u>Number of rubs</u> 500 1000 2000 5000	<u>Pilling grade</u> 4 3-4 3-4 3-4 3-4 The final grading at 2000 rubs relates to fuzzing

The test has been performed according to the rear side conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract

25 January 2005, Danish Technological Institute, Textile


 Charlotte Fischer
 Test responsible


 Bodil Pedersen
 Co-reader

Appendix to Test Report No. 1217488B/107649-3

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Upholstery fabric: Molly 160

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (DTI/BT*)
The classification in fields of application is not covered by Accreditation No. 25

Private Homes				Public Areas and Offices							
Rooms with low intensity of use		Rooms with normal intensity of use		Hotel rooms, hospital wards, conference rooms with low intensity of use		Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms		Offices, staff rest rooms, conference rooms, and lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft		Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes	
Upholstery soft		Upholstery firm		Upholstery soft firm		Upholstery soft firm		Upholstery soft firm		Upholstery soft firm	
at least 10.000	at least 15.000	at least 15.000	at least 25.000	at least 10.000	at least 15.000	at least 15.000	at least 25.000	at least 25.000	at least 35.000	at least 30.000	at least 45.000

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chf/bnp/ac, 25 January 2005

Test Report no. A 1217488B/107649-1

Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltøft	
Test material: Upholstery	
Design: Molly 143	Received: 2005-01-05 Completed: 2005-01-25
Fibre content: 100% wool (Manufacturers information)	Ref. no.: 1217488B Sample no.: 107649-1
Care label: (Not given)	Your ref.: Lone Henriksen

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Test Methods	Results		
Mass per unit area ISO 3801:1977	Only one determination 435 g/m ²		
Abrasion resistance - Martindale EN ISO 12947-1:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 35.000 - 35.000 - 40.000 - 40.000 rubs End point according to "Classification of Upholstery Fabrics:2002" 35.000 rubs		
Determination of fabric propensity to surface fuzzing and to pilling EN ISO 12945-1:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	<u>Assessment stage</u> 1 2 3 4 Final grade The final grading at 2000 rubs relates to fuzzing and pilling	<u>Number of rubs</u> 500 1000 2000 5000	<u>Pilling grade</u> 4 3-4 3 2 3

The test has been performed according to the rear side conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract

25 January 2005, Danish Technological Institute, Textile


 Charlotte Fischer
 Test responsible


 Bodil Pedersen
 Co-reader

Appendix to Test Report No. 1217488B/107649-1

Page 1 of 1

Upholstery fabric: Molly 143

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (DTI/BT*)
The classification in fields of application is not covered by Accreditation No. 25

Private Homes				Public Areas and Offices							
Rooms with low intensity of use		Rooms with normal intensity of use		Hotel rooms, hospital wards, conference rooms with low intensity of use		Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms		Offices, staff rest rooms, conference and lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft		Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes	
Upholstery soft		Upholstery firm		Upholstery soft firm		Upholstery soft firm		Upholstery soft firm		Upholstery soft firm	
at least 10.000	at least 15.000	at least 15.000	at least 25.000	at least 10.000	at least 15.000	at least 15.000	at least 25.000	at least 25.000	at least 25.000	at least 30.000	at least 30.000
										at least 45.000	

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chf/bnp/ac, 25 January 2005

Test Report no. A 1217488B/107649-4

Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltøft	
Test material: Upholstery	
Design: Molly 149	Received: 2005-01-05 Completed: 2005-01-25
Fibre content: 100% wool (Manufacturers information)	Ref. no.: 1217488B Sample no.: 107649-4
Care label: (Not given)	Your ref.: Lone Henriksen

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Test Methods	Results																		
Mass per unit area ISO 3801:1977	Only one determination 385 g/m²																		
Abrasion resistance - Martindale EN ISO 12947-1:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 55.000 - 55.000 - 60.000 - 60.000 rubs End point according to “Classification of Upholstery Fabrics:2002” 55.000 rubs																		
Determination of fabric propensity to surface fuzzing and to pilling EN ISO 12945-1:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	<table><tr><th>Assessment stage</th><th>Number of rubs</th><th>Pilling grade</th></tr><tr><td>1</td><td>500</td><td>4-5</td></tr><tr><td>2</td><td>1000</td><td>3-4</td></tr><tr><td>3</td><td>2000</td><td>3-4</td></tr><tr><td>4</td><td>5000</td><td>3-4</td></tr><tr><td colspan="2">Final grade</td><td>3-4</td></tr></table> The final grading at 2000 rubs relates to fuzzing	Assessment stage	Number of rubs	Pilling grade	1	500	4-5	2	1000	3-4	3	2000	3-4	4	5000	3-4	Final grade		3-4
Assessment stage	Number of rubs	Pilling grade																	
1	500	4-5																	
2	1000	3-4																	
3	2000	3-4																	
4	5000	3-4																	
Final grade		3-4																	

The test has been performed according to the rear side conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract

25 January 2005, Danish Technological Institute, Textile


 Charlotte Fischer
 Test responsible


 Bodil Pedersen
 Co-reader

Upholstery fabric: Molly 149

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (DTI/BT*)
The classification in fields of application is not covered by Accreditation No. 25

Private Homes		Public Areas and Offices					
Rooms with low intensity of use	Rooms with normal intensity of use	Hotel rooms, hospital wards, conference rooms with low intensity of use	Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms	Offices, staff rest rooms, conference rooms and lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft	Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes		
Upholstery soft	Upholstery firm	Upholstery soft	Upholstery firm	Upholstery soft	Upholstery firm	Upholstery soft	Upholstery firm
at least 10.000	at least 15.000	at least 10.000	at least 15.000	at least 25.000	at least 35.000	at least 30.000	at least 45.000

Crossing out indicates: not suitable

DTI = Danish Technology Institute

*BT = Clothing and Textile

chf/bnp/ac, 25 January 2005

Test Report no. A 1217488B/107649-3

Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltøft	
Test material: Upholstery	
Design: Molly 160	Received: 2005-01-05 Completed: 2005-01-25
Fibre content: 100% uld (Manufacturers information)	Ref. no.: 1217488B Sample no.: 107649-3
Care label: (Not given)	Your ref.: Lone Henriksen

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Test Methods	Results		
Mass per unit area ISO 3801:1977	Only one determination 400 g/m ²		
Abrasion resistance - Martindale EN ISO 12947-1:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 55.000 - 60.000 - 55.000 - 55.000 rubs End point according to "Classification of Upholstery Fabrics:2002" 55.000 rubs		
Determination of fabric propensity to surface fuzzing and to pilling EN ISO 12945-1:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	<u>Assessment stage</u>	<u>Number of rubs</u>	<u>Pilling grade</u>
	1	500	4
	2	1000	3-4
	3	2000	3-4
	4	5000	3-4
	Final grade		3-4
	The final grading at 2000 rubs relates to fuzzing		

The test has been performed according to the rear side conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract

25 January 2005, Danish Technological Institute, Textile

Charlotte Fischer
Charlotte Fischer
Test responsible

Bodil Pedersen
Bodil Pedersen
Co-reader

Appendix to Test Report No. 1217488B/107649-3

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Upholstery fabric: Molly 160

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (DTI/BT*)
The classification in fields of application is not covered by Accreditation No. 25

Private Homes				Public Areas and Offices							
Rooms with low intensity of use		Rooms with normal intensity of use		Hotel rooms, hospital wards, conference rooms with low intensity of use		Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms		Offices, staff rest rooms, conference rooms, and lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft		Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes	
Upholstery soft		Upholstery firm		Upholstery soft firm		Upholstery soft firm		Upholstery soft firm		Upholstery soft firm	
at least 10.000	at least 15.000	at least 15.000	at least 25.000	at least 10.000	at least 15.000	at least 15.000	at least 25.000	at least 25.000	at least 35.000	at least 30.000	at least 45.000

Crossing out indicates: not suitable

DTI = Danish Technology Institute

*BT = Clothing and Textile

chf/bnp/ac, 25 January 2005

Test Report no. A 1217488/117289-1UK

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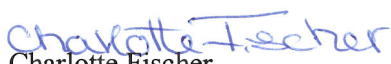
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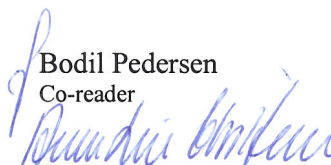
Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltøft	
Test material: Molly 161	
Design:	Received: 2005-05-18 Completed: 2005-05-25
Fibre content: 100% ny uld (Manufacturers information)	Ref. no.: 1217488 Sample no.: 117289-1UK
Care label: (Not given)	Your ref.: Lone Henriksen

Test Methods	Results																					
Abrasion resistance - Martindale EN ISO 12947-2:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 40.000 - 40.000 - 40.000 - 45.000 rubs End point according to "Classification of Upholstery Fabrics:2002" 40.000 rubs																					
Determination of fabric propensity to surface fuzzing and to pilling EN ISO 12945-2:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	<table><tr><th><u>Assessment stage</u></th><th><u>Number of rubs</u></th><th><u>Pilling grade</u></th></tr><tr><td>1</td><td>500</td><td>3-4</td></tr><tr><td>2</td><td>1000</td><td>3-4</td></tr><tr><td>3</td><td>2000</td><td>3</td></tr><tr><td>4</td><td>5000</td><td>2-3</td></tr><tr><td colspan="2">Final grade</td><td>3</td></tr><tr><td colspan="3">The final grading at 2000 rubs relates to fuzzing and pilling</td></tr></table>	<u>Assessment stage</u>	<u>Number of rubs</u>	<u>Pilling grade</u>	1	500	3-4	2	1000	3-4	3	2000	3	4	5000	2-3	Final grade		3	The final grading at 2000 rubs relates to fuzzing and pilling		
<u>Assessment stage</u>	<u>Number of rubs</u>	<u>Pilling grade</u>																				
1	500	3-4																				
2	1000	3-4																				
3	2000	3																				
4	5000	2-3																				
Final grade		3																				
The final grading at 2000 rubs relates to fuzzing and pilling																						

The test has been performed according to the rear side conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract

27 May 2005, Danish Technological Institute, Textile


Charlotte Fischer
Test responsible


Bodil Pedersen
Co-reader

Appendix to Test Report No. 1217488/117289-1UK

Molly 161 :

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (Danish Technological Institute, Textile)
The classification in fields of application is not covered by Accreditation No. 25.

Private Homes		
Rooms with low intensity of use	Soft upholstery	at least 10.000
	Firm upholstery	at least 15.000
Rooms with normal intensity of use	Soft upholstery	at least 15.000
	Firm upholstery	at least 25.000
Public Areas and Offices		
Hotel rooms, hospital wards, conference rooms with low intensity of use	Soft upholstery	at least 10.000
	Firm upholstery	at least 15.000
Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms	Soft upholstery	at least 15.000
	Firm upholstery	at least 25.000
Offices, staff rest rooms, conference and lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft	Soft upholstery	at least 25.000
	Firm upholstery	at least 35.000
Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes	Soft upholstery	at least 30.000
	Firm upholstery	at least 45.000

Crossing out indicates: not suitable.